

ORIGINAL



LINDA LINGLE
GOVERNOR

JAMES R. AIONA, JR.
LT. GOVERNOR

LAWRENCE REIFURTH
DIRECTOR

CATHERINE P. AWAKUNI
EXECUTIVE DIRECTOR

**STATE OF HAWAII
DIVISION OF CONSUMER ADVOCACY
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS**

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June 19, 2009

FILED
JUN 19 2009
PUBLIC UTILITIES
COMMISSION

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PUBLIC UTILITIES
COMMISSION

The Honorable Chairman and Members of
the Hawaii Public Utilities Commission
Kekuanaoa Building
465 South King Street, 1st Floor
Honolulu, Hawaii 96813

Dear Commissioners:

RE: Docket No. 2008-0274 – Instituting a Proceeding to Investigate
Implementing a Decoupling Mechanism for Hawaiian Electric
Company, Inc., Hawaii Electric Light Company, Inc., and Maui Electric
Company, Limited.

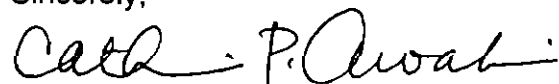
In accordance with the Order Establishing Hearing Procedures ("Order") issued on June 16, 2009, the Division of Consumer Advocacy, Department of Commerce and Consumer Affairs, State of Hawaii ("Consumer Advocate") hereby identifies the following persons as the witnesses or representatives who will testify on behalf of or represent the Consumer Advocate in the above-referenced proceeding:

Panel No.	Panel Topic	Primary Consumer Advocate Witness
1.	Will Decoupling Help Achieve Hawaii's Objectives?	Catherine Awakuni (Consumer Advocate Executive Director), Michael Brosch (Consultant to the Consumer Advocate), and Steven Carver (Consultant to the Consumer Advocate)

2.	Decoupling Mechanics: How Well Does the HECO Companies' Decoupling Design Achieve Hawaii's Objectives?	Michael Brosch and Steven Carver
3.	Revenue Adjustment Mechanism: How Well Does it Achieve Hawaii's Objectives?	Michael Brosch and Steven Carver
4.	Revenue Per Customer Mechanism and Other Alternatives: How Well Do They Achieve Hawaii's Objectives?	Michael Brosch and Steven Carver
5.	Energy Cost Adjustment Clause Amendment: What are Its Advantages and Disadvantages, In Terms of Hawaii's Objectives?	Joseph Herz ¹ (Consultant to the Consumer Advocate) and Michael Brosch
6.	What Review Processes and Safeguards Should the Commission Consider?	Michael Brosch and Steven Carver
7.	Legal Questions	Jon Itomura (Supervising Legal Counsel for the Consumer Advocate) and Catherine Awakuni
8.	Closing Arguments	Catherine Awakuni and Michael Brosch

Also enclosed are documents stating the qualifications of the witnesses identified to testify in the above-referenced proceeding.

Sincerely,



Catherine P. Awakuni
Executive Director

CPA:tt
Enclosures

¹ The Consumer Advocate respectfully requests that its consultant, Joseph Herz, be allowed to participate in this panel via telephone conference.

CATHERINE P. AWAKUNI

Educational Background and Experience

Business Address: 335 Merchant Street
Honolulu, Hawaii 96813

Position: Executive Director

Years of Service: Since September 2006

Business Affiliations: Division of Consumer Advocacy, Department of
Commerce and Consumer Affairs, State of Hawaii

2002 – 2006 – Hawaii Public Utilities Commission,
State of Hawaii, Honolulu, Hawaii

2000 – 2001 – Bodden and Muraoka, Attorneys at
Law, A Law Corporation, Wailuku, Hawaii

1999 – 2000 – Ashford and Wriston, LLP, Honolulu,
Hawaii

1998 – 1999 – State of Hawaii, Second Circuit Court,
Wailuku, Hawaii

1997 – Ashford and Wriston, LLP, Honolulu, Hawaii

1991 – 1994 – KPMG Peat Marwick LLP, Honolulu,
Hawaii

University or College: William S. Richardson School of Law,
University of Hawaii, Honolulu, Hawaii

University of Hawaii at Manoa, Honolulu, Hawaii

Degree: Juris Doctor

Bachelor of Business Administration in Accounting

Professional Affiliation: Hawaii State Bar Association, American Bar
Association

Other Curriculum: Camp NARUC – 47th Annual Regulatory

Studies Program, Institute of Public Utilities, Michigan State University (2005)

Hawaii Public Utilities Commission Rate Case Training – Introduction to the Art and Science of Traditional Regulation (2004)

NARUC Utility Rate School, Institute of Public Utilities, Michigan State University (2004)

The Basics – Practical Skills for Changing Electric, Natural Gas and Telecommunications Industries, Center for Public Utilities, New Mexico State University and NARUC (2003)

Previously Testified:

I have participated, but not testified in all utilities and transportation areas regulated by the Commission.

MICHAEL L. BROSCHE

Summary of Qualifications

EMPLOYER: Utilitech, Inc.
Regulatory and Management Consultants
POSITION: President
ADDRESS: P.O. Box 481934
Kansas City, MO 64148-1934

PRIOR EXPERIENCE:

1978-1982 Missouri Public Service Commission, Senior Accountant
1982-1983 Troupe, Kehoe, Whiteaker & Kent CPA's, Regulatory Consultant
1983-1985 Lubow, McKay, Stevens and Lewis, Project Manager
1985-Present Utilitech, Principal and President

DEGREES:

University of Missouri – Kansas City
Bachelor – Business Administration (Accounting 1978) “with distinction”

OTHER QUALIFICATIONS:

Certified Public Accountant – Certification in Kansas and Missouri

Member	American Institute of Certified Public Accountants Missouri Society of Certified Public Accountants Kansas Society of Certified Public Accountants
Seminars	Iowa State Regulatory Conference 1981, 1985 Regulated Industries Symposium 1979, 1980 Michigan State Regulatory Conference 1981 United States Telephone Association Round Table 1984 NARUC/NASUCA Annual Meeting 1988, Speaker NARUC/NASUCA Annual Meeting 2000, Speaker NASUCA Mid-Year Consumer Protection Meeting 2007, Speaker
Instructor	INFOCAST Ratemaking Courses Arizona Staff Training Hawaii Staff Training

PRIOR TESTIMONIES: (See listings attached)

<u>Utility</u>	<u>Jurisdiction</u>	<u>Agency</u>	<u>Docket/Case Number</u>	<u>Represented</u>	<u>Year</u>	<u>Addressed</u>
Kansas City Power and Light Co.	Missouri	PSC	ER-81-42	Staff	1981	Rate Base, Operating Income
Southwestern Bell Telephone	Missouri	PSC	TR-81-208	Staff	1981	Rate Base, Operating Income, Affiliated Interest
Northern Indiana Public Service	Indiana	PSC	36689	Consumers Counsel	1982	Rate Base, Operating Income
Northern Indiana Public Service	Indiana	URC	37023	Consumers Counsel	1983	Rate Base, Operating Income, Cost Allocations
Mountain Bell Telephone	Arizona	ACC	9981-E1051-81-406	Staff	1982	Affiliated Interest
Sun City Water	Arizona	ACC	U-1656-81-332	Staff	1982	Rate Base, Operating Income
Sun City Sewer	Arizona	ACC	U-1656-81-331	Staff	1982	Rate Base, Operating Income
El Paso Water	Kansas	City Counsel	Unknown	Company	1982	Rate Base, Operating Income, Rate of Return
Ohio Power Company	Ohio	PUCO	83-98-EL-AIR	Consumer Counsel	1983	Operating Income, Rate Design, Cost Allocations
Dayton Power & Light Company	Ohio	PUCO	83-777-GA-AIR	Consumer Counsel	1983	Rate Base
Walnut Hill Telephone	Arkansas	PSC	83-010-U	Company	1983	Operating Income, Rate Base
Cleveland Electric Illum.	Ohio	PUCO	84-188-EL-AIR	Consumer Counsel	1984	Rate Base, Operating Income, Cost Allocations
Cincinnati Gas & Electric	Ohio	PUCO	84-13-EL-EFC	Consumer Counsel	1984	Fuel Clause
Cincinnati Gas & Electric	Ohio	PUCO	84-13-EL-EFC (Subfile A)	Consumer Counsel	1984	Fuel Clause
General Telephone - Ohio	Ohio	PUCO	84-1026-TP-AIR	Consumer Counsel	1984	Rate Base
Cincinnati Bell Telephone	Ohio	PUCO	84-1272-TP-AIR	Consumer Counsel	1985	Rate Base
Ohio Bell Telephone	Ohio	PUCO	84-1535-TP-AIR	Consumer Counsel	1985	Rate Base
United Telephone - Missouri	Missouri	PSC	TR-85-179	Staff	1985	Rate Base, Operating Income
Wisconsin Gas	Wisconsin	PSC	05-UI-18	Staff	1985	Diversification-Restructuring
United Telephone - Indiana	Indiana	URC	37927	Consumer Counsel	1986	Rate Base, Affiliated Interest
Indianapolis Power & Light	Indiana	URC	37837	Consumer Counsel	1986	Rate Base
Northern Indiana Public Service	Indiana	URC	37972	Consumer Counsel	1986	Plant Cancellation Costs
Northern Indiana Public Service	Indiana	URC	38045	Consumer Counsel	1986	Rate Base, Operating Income, Cost Allocations, Capital Costs
Arizona Public Service	Arizona	ACC	U-1435-85-367	Staff	1987	Rate Base, Operating Income, Cost Allocations
Kansas City, KS Board of Public Utilities	Kansas	BPU	87-1	Municipal Utility	1987	Operating Income, Capital Costs
Detroit Edison	Michigan	PSC	U-8683	Industrial Customers	1987	Income Taxes
Consumers Power	Michigan	PSC	U-8681	Industrial Customers	1987	Income Taxes
Consumers Power	Michigan	PSC	U-8680	Industrial Customers	1987	Income Taxes

Northern Indiana Public Service	Indiana	URC	38365	Consumer Counsel	1987	Rate Design
Indiana Gas	Indiana	URC	38080	Consumer Counsel	1987	Rate Base
Northern Indiana Public Service	Indiana	URC	38380	Consumers Counsel	1988	Rate Base, Operating Income, Rate Design, Capital Costs
Terre Haute Gas	Indiana	URC	38515	Consumers Counsel	1988	Rate Base, Operating Income, Capital Costs
United Telephone -Kansas	Kansas	KCC	162,044-U	Consumers Counsel	1989	Rate Base, Capital Costs, Affiliated Interest
US West	Arizona	ACC	E-1051-88-146	Staff	1989	Rate Base, Operating Income, Affiliate Interest
Communications All Kansas Electrics	Kansas	KCC	140,718-U	Consumers Counsel	1989	Generic Fuel Adjustment Hearing
Southwest Gas	Arizona	ACC	E-1551-89-102 E-1551-89-103	Staff	1989	Rate Base, Operating Income, Affiliated Interest
American Telephone and Telegraph	Kansas	KCC	167,493-U	Consumers Counsel	1990	Price/Flexible Regulation, Competition, Revenue Requirements
Indiana Michigan Power	Indiana	URC	38728	Consumer Counsel	1989	Rate Base, Operating Income, Rate Design
People Gas, Light and Coke Company	Illinois	ICC	90-0007	Public Counsel	1990	Rate Base, Operating Income
United Telephone Company	Florida	PSC	891239-TL	Public Counsel	1990	Affiliated Interest
Southwestern Bell Telephone Company	Oklahoma	OCC	PUD-000662	Attorney General Staff	1990	Rate Base, Operating Income (Testimony not admitted)
Arizona Public Service Company	Arizona	ACC	U-1345-90-007	Staff	1991	Rate Base, Operating Income
Indiana Bell Telephone Company	Indiana	URC	39017	Consumer Counsel	1991	Test Year, Discovery, Schedule
Southwestern Bell Telephone Company	Oklahoma	OCC	39321	Attorney General	1991	Remand Issues
UtiliCorp United/ Centel	Kansas	KCC	175,476-U	Consumer Counsel	1991	Merger/Acquisition
Southwestern Bell Telephone Company	Oklahoma	OCC	PUD-000662	Attorney General	1991	Rate Base, Operating Income
United Telephone - Florida	Florida	PSC	910980-TL	Public Counsel	1992	Affiliated Interest
Hawaii Electric Light Company	Hawaii	PUC	6999	Consumer Advocate	1992	Rate Base, Operating Income, Budgets/Forecasts
Maui Electric Company	Hawaii	PUC	7000	Consumer Advocate	1992	Rate Base, Operating Income, Budgets/Forecasts
Southern Bell Telephone Company	Florida	PSC	920260-TL	Public Counsel	1992	Affiliated Interest
US West Communications	Washington	WUTC	U-89-3245-P	Attorney General Staff	1992	Alternative Regulation
UtiliCorp United/ MPS	Missouri	PSC	ER-93-37	Staff	1993	Affiliated Interest
Oklahoma Natural Gas Company	Oklahoma	OCC	PUD-1151, 1144, 1190	Attorney General Staff	1993	Rate Base, Operating Income, Take or Pay, Rate Design
Public S2ervice Company of Oklahoma	Oklahoma	OCC	PUD-1342	Staff	1993	Rate Base, Operating Income, Affiliated Interest
Illinois Bell Telephone	Illinois	ICC	92-0448 92-0239	Citizens Board	1993	Rate Base, Operating Income, Alt. Regulation, Forecasts, Affiliated Interest
Hawaiian Electric Company	Hawaii	PUC	7700	Consumer Advocate	1993	Rate Base, Operating Income

US West Communications	Arizona	ACC	E-1051-93-183	Staff	1994	Rate Base, Operating Income
PSI Energy, Inc.	Indiana	URC	39584	Consumer Counselor	1994	Rate Base, Operating Income, Alt. Regulation, Forecasts, Affiliated Interest
Arkla, a Division of NORAM Energy	Oklahoma	OCC	PUD-940000354	Attorney General	1994	Cost Allocations, Rate Design
PSI Energy, Inc.	Indiana	URC	39584-S2	Consumer Counselor	1994	Merger Costs and Cost Savings, Non-Traditional Ratemaking
Transok, Inc.	Oklahoma	OCC	PUD-1342	Staff	1994	Rate Base, Operating Income, Affiliated Interest, Allocations
Oklahoma Natural Gas Company	Oklahoma	OCC	PUD-940000477	Attorney General	1995	Rate Base, Operating Income, Cost of Service, Rate Design
US West Communications	Washington	WUTC	UT-950200	Attorney General/ TRACER	1995	Operating Income, Affiliate Interest, Service Quality
PSI Energy, Inc.	Indiana	URC	40003	Consumer Counselor	1995	Rate Base, Operating Income
Oklahoma Natural Gas Company	Oklahoma	OCC	PUD-880000598	Attorney General	1995	Stand-by Tariff
GTE Hawaiian Telephone Co., Inc.	Hawaii	PUC	94-0298	Consumer Advocate	1996	Rate Base, Operating Income, Affiliate Interest, Cost Allocations
Mid-American Energy Company	Iowa	ICC	APP-96-1	Consumer Advocate	1996	Non-Traditional Ratemaking
Oklahoma Gas and Electric Company	Oklahoma	OCC	PUD-960000116	Attorney General	1996	Rate Base, Operating Income, Rate Design, Non-Traditional Ratemaking
Southwest Gas Corporation	Arizona	ACC	U-1551-96-596	Staff	1997	Operating Income, Affiliated Interest, Gas Supply
Utilicorp United - Missouri Public Service Division	Missouri	PSC	EO-97-144	Staff	1997	Operating Income
US West Communications	Utah	PSC	97-049-08	Consumer Advocate	1997	Rate Base, Operating Income, Affiliate Interest, Cost Allocations
US West Communications	Washington	WUTC	UT-970766	Attorney General	1997	Rate Base, Operating Income
Missouri Gas Energy	Missouri	PSC	GR 98-140	Public Counsel	1998	Affiliated Interest
ONEOK	Oklahoma	OCC	PUD980000177	Attorney General	1998	Gas Restructuring, rate Design, Unbundling
Nevada Power/Sierra Pacific Power Merger	Nevada	PSC	98-7023	Consumer Advocate	1998	Merger Savings, Rate Plan and Accounting
PacifiCorp / Utah Power	Utah	PSC	97-035-1	Consumer Advocate	1998	Affiliated Interest
MidAmerican Energy / CalEnergy Merger	Iowa	PUB	SPU-98-8	Consumer Advocate	1998	Merger Savings, Rate Plan and Accounting
American Electric Power / Central and South West Merger	Oklahoma	OCC	980000444	Attorney General	1998	Merger Savings, Rate Plan and Accounting
ONEOK Gas Transportation	Oklahoma	OCC	970000088	Attorney General	1998	Cost of Service, Rate Design, Special Contract
U S West Communications	Washington	WUTC	UT-98048	Attorney General	1999	Directory Imputation and Business Valuation
U S West / Qwest Merger	Iowa	PUB	SPU 99-27	Consumer Advocate	1999	Merger Impacts, Service Quality and Accounting

U S West / Qwest Merger	Washington	WUTC	UT-991358	Attorney General	2000	Merger Impacts, Service Quality and Accounting
U S West / Qwest Merger	Utah	PSC	99-049-41	Consumer Advocate	2000	Merger Impacts, Service Quality and Accounting
PacifiCorp / Utah Power	Utah	PSC	99-035-10	Consumer Advocate	2000	Affiliated Interest
Oklahoma Natural Gas, ONEOK Gas Transportation	Oklahoma	OCC	980000683, 980000570, 990000166	Attorney General	2000	Operating Income, Rate Base, Cost of Service, Rate Design, Special Contract
U S West Communications	New Mexico	PRC	3008	Staff	2000	Operating Income, Directory Imputation
U S West Communications	Arizona	ACC	T-0105B-99-0105	Staff	2000	Operating Income, Rate Base, Directory Imputation
Northern Indiana Public Service Company	Indiana	IURC	41746	Consumer Counsel	2001	Operating Income, Rate Base, Affiliate Transactions
Nevada Power Company	Nevada	PUCN	01-10001	Attorney General-BCP	2001	Operating Income, Rate Base, Merger Costs, Affiliates
Sierra Pacific Power Company	Nevada	PUCN	01-11030	Attorney General-BCP	2002	Operating Income, Rate Base, Merger Costs, Affiliates
The Gas Company, Division of Citizens Communications	Hawaii	PUC	00-0309	Consumer Advocate	2001	Operating Income, Rate Base, Cost of Service, Rate Design
SBC Pacific Bell	California	PUC	1.01-09-002 R.01-09-001	Office of Ratepayer Advocate	2002	Depreciation, Income Taxes and Affiliates
Qwest Communications – Dex Sale	Utah	PSC	02-049-76 02-049-82 01-2383-01	Consumer Advocate	2003	Directory Publishing
Qwest Communications – Dex Sale	Washington	WUTC	UT-021120	Attorney General	2003	Directory Publishing
Qwest Communications – Dex Sale	Arizona	ACC	T-0105B-02-0666	Staff	2003	Directory Publishing
PSI Energy, Inc.	Indiana	IURC	42359	Consumer Counsel	2003	Operating Income, Rate Trackers, Cost of Service, Rate Design
Qwest Communications	Arizona	ACC	T-0105B-03-0454	Staff	2004	Operating Income, Rate Base
Verizon Northwest	Washington	WUTC	UT-040788A	Attorney General	2004	Operating Income, Rate Base, Directory Imputation
Public Service Company of Oklahoma	Oklahoma	OCC	Cause No. 200300076	Attorney General	2005	Operating Income, Rate Base, Cost of Service, Rate Design
Hawaiian Electric Company, Inc.	Hawaii	PUC	04-0113	Consumer Advocate	2005	Operating Income, Rate Base, Cost of Service, Rate Design
Citizens Gas & Coke Utility	Indiana	IURC	42767	Consumer Counsel	2005	Operating Income, Debt Service, Ratemaking Policy, Working Capital
Puget Sound Energy	Washington	WUTC	UE-060266 et al	Attorney General	2006	Ratemaking Policy, Rate Trackers
Cascade Natural Gas	Washington	WUTC	UG-060256	Attorney General	2006	Ratemaking Policy, Rate Trackers
Arizona Public Service	Arizona	ACC	E-01345A-05-0816	Staff	2006	Operating Income, Cost of Service
Hawaiian Electric Company	Hawaii	HPUC	05-0146	Consumer Advocate	2006	Capital Improvements and Discounted Rates
Hawaii Electric Light Company	Hawaii	HPUC	05-0315	Consumer Advocate	2006	Operating Income, Rate Base, Cost of Service, Rate Design
Union Electric Company d/b/a AmerenUE	Missouri	PSC	2007-0002	Attorney General	2007	Operating Income, Rate Base, Fuel Adjustment Clause

Hawaiian Electric Company, Inc.	Hawaii	PUC	2006-0386	Consumer Advocate	2007	Operating Income, Rate Base, Cost of Service, Rate Design
Maui Electric Company	Hawaii	PUC	2006-0387	Consumer Advocate	2007	Operating Income, Rate Base, Cost of Service, Rate Design
Peoples Gas Light & Coke Company	Illinois	ICC	07-0241	Attorney General, City	2007	Ratemaking Policy, Rate Trackers
North Shore Gas Company	Illinois	ICC	07-0242	Attorney General, City	2007	Ratemaking Policy, Rate Trackers
Commonwealth Edison	Illinois	ICC	07-0566	Attorney General, City	2008	Ratemaking Policy, Rate Trackers
Illinois Power Company, Illinois Public Service Co., Central Illinois Public Service Co	Illinois	ICC	07-0585 cons.	Attorney General/CUB	2008	Rate Adjustment Clauses
Southwestern Public Service Company	Texas	PUCT	35763	Municipalities	2008	Operating Income, Rate Base, Affiliate Transactions
The Gas Company	Hawaii	PUC	2008-0081	Consumer Advocate	2009	Operating Income, Rate Base, Affiliate Transactions, Cost of Service, Rate Design

STEVEN C. CARVER

Summary of Qualifications

EMPLOYER: Utilitech, Inc.
Regulatory and Management Consultants

POSITION: Vice-President

ADDRESS: P.O. Box 481934
Kansas City, Missouri 64148

PRIOR EXPERIENCE:

6/87 - Present	Utilitech, Inc.
4/83 - 6/87	Missouri Public Service Commission, Chief Accountant
10/79 - 4/83	Missouri Public Service Commission, Accounting Manager
6/77 - 10/79	Missouri Public Service Commission, Regulatory Auditor

EDUCATION:

Central Missouri State University
Bachelor of Science Degree in Business Administration
Accounting Major (1977)

State Fair Community College
Associate of Arts Degree - Emphasis in Accounting (1975)

OTHER QUALIFICATIONS:

Speaker - 1988 Missouri Public Service Commission Workshop
- 1990 Annual NASUCA/NARUC Convention (Orlando)
- 1996 Mid-Year NASUCA Meeting (Chicago)
Instructor - 1994 Hawaii Consumer Advocate Regulatory Training Program
- 1997 Hawaii Consumer Advocate Telecommunications Training Program
- 1999 Overview of Utility Regulation (Hawaii)
- 2000 Telecommunications: Overview of Regulation (Arizona)

PRIOR TESTIMONIES: (See pages 4 to 8.)

**STEVEN C. CARVER
SUMMARY OF QUALIFICATIONS**

Education and Experience

I graduated from State Fair Community College where I received an Associate of Arts Degree with an emphasis in Accounting. I also graduated from Central Missouri State University with a Bachelor of Science Degree in Business Administration, majoring in Accounting. Subsequent to the completion of formal education, my entire professional career has been dedicated to public utility investigations, regulatory analysis and consulting.

From 1977 to 1987, I was employed by the Missouri Public Service Commission in various professional auditing positions associated with the regulation of public utilities. In that capacity, I participated in and supervised various accounting compliance and rate case audits (including earnings reviews) of electric, gas, steam and telephone utility operations and was responsible for the submission of expert testimony as a Staff witness.

In October 1979, I was promoted to the position of Accounting Manager of the Kansas City Office of the Commission Staff and assumed supervisory responsibilities for a staff of regulatory auditors, directing numerous rate case audits of large electric, gas and telephone utility companies operating in the State of Missouri. In April 1983, I was promoted by the Commission to the position of Chief Accountant and assumed overall management and policy responsibilities for the Accounting Department, providing guidance and assistance in the technical development of Staff issues in major rate cases and coordinating the general audit and administrative activities of the Department.

During 1986-1987, I was actively involved in a docket established by the Missouri Public Service Commission to investigate the revenue requirement impact of the Tax Reform Act of 1986 on Missouri utilities. In 1986, I prepared the comments of the Missouri Public Service Commission respecting the Proposed Amendment to FAS Statement No. 71 (relating to phase-in plans, plant abandonments, plant cost disallowances, etc.) as well as the Proposed Statement of Financial Accounting Standards for Accounting for Income Taxes. I actively participated in the discussions of

a subcommittee responsible for drafting the comments of the National Association of Regulatory Utility Commissioners ("NARUC") on the Proposed Amendment to FAS Statement No. 71 and subsequently appeared before the Financial Accounting Standards Board with a Missouri Commissioner to present the positions of NARUC and the Missouri Commission.

In July of 1983 and in addition to my duties as Chief Accountant, I was appointed Project Manager of the Commission Staff's construction audits of two nuclear power plants owned by electric utilities regulated by the Missouri Public Service Commission. As Project Manager, I was involved in the staffing and coordination of the construction audits and in the development and preparation of the Staff's audit findings for presentation to the Commission. In this capacity, I coordinated and supervised a matrix organization of Staff accountants, engineers, attorneys and consultants.

Since commencing employment with Utilitech in June 1987, I have conducted revenue requirement and special studies involving various regulated industries (i.e., electric, gas, district steam, telephone and water) and have been associated with regulatory projects on behalf of clients in twenty State regulatory jurisdictions.

Previous Expert Testimony

I have appeared as an expert witness before the Missouri Public Service Commission on behalf of various clients, including the Commission Staff, and have filed testimony before utility regulatory agencies in Arizona, California, Florida, Hawaii, Kansas, Indiana, Nevada, New Mexico, Oklahoma, Pennsylvania, Texas, Utah, and Washington. My previous experience in major energy proceedings includes: PSI Energy, Union Electric (now Ameren), Kansas City Power & Light, UtiliCorp United (now Aquila), Northern Indiana Public Service, Oklahoma Natural Gas, Public Service Company of Oklahoma, Oklahoma Gas and Electric, Hawaiian Electric, Sierra Pacific Power/Nevada Power, Southwestern Public Service and The Gas Company.

Pages 1 through 6 of Exhibit CA-301 summarize the various regulatory proceedings in which I have filed testimony.

Utility	Jurisdiction	Agency	Docket/Case Number	Party Represented	Year	Areas Addressed
Kansas City Power & Light	Missouri	PSC	ER-78-252	Staff	1978	Rate Base, Operating Income
Gas Service Company	Missouri	PSC	GR-79-114	Staff	1979	Rate Base, Operating Income
United Telephone of Missouri	Missouri	PSC	TO-79-227	Staff	1979	Rate Base, Operating Income, Affiliated Interest
Kansas City Power & Light	Missouri	PSC	ER-80-48	Staff	1980	Operating Income, Fuel Cost
Gas Service Company	Missouri	PSC	GR-80-173	Staff	1980	Operating Income
Southwestern Bell Telephone	Missouri	PSC	TR-80-256	Staff	1980	Operating Income
Missouri Public Service	Missouri	PSC	ER-81-85	Staff	1981	Operating Income
Missouri Public Service	Missouri	PSC	ER-81-154	Staff	1981	Interim Rates
Gas Service Company	Missouri	PSC	GR-81-155	Staff	1981	Operating Income
Gas Service Company	Missouri	PSC	GR-81-257	Staff	1981	Interim Rates
Union Electric Company	Missouri	PSC	ER-82-52	Staff	1982	Operating Income, Fuel Cost
Southwestern Bell Telephone	Missouri	PSC	TR-82-199	Staff	1982	Operating Income
Union Electric Company	Missouri	PSC	ER-83-163	Staff	1983	Rate Base, Plant Cancellation Costs
Gas Service Company	Missouri	PSC	GR-83-207	Staff	1983	Interim Rates
Union Electric Company	Missouri	PSC	ER-84-168/ EO-85-17	Staff	1984 1985	Construction Audit, Operating Income
Kansas City Power & Light	Missouri	PSC	ER-85-128/ EO-85-185	Staff	1983 1985	Construction Audit, Rate Base, Operating Income
St. Joseph Light & Power	Missouri	PSC	EC-88-107	Public Counsel	1987	Rate Base, Operating Income
Northern Indiana Public Service	Indiana	IURC	38380	Consumer Counsel	1988	Operating Income
US West Communications	Arizona	ACC	E-1051-88-146	Staff	1989	Rate Base, Operating Income

Utility	Jurisdiction	Agency	Docket/Case Number	Party Represented	Year	Areas Addressed
Dauphin Consol. Water Supply Co.	Pennsylvania	PUC	R-891259	Staff	1989	Rate Base, Operating Income, Rate Design
Southwest Gas Corporation	Arizona	ACC	E-1551-89-102 E-1551-89-103	Staff	1989	Rate Base, Operating Income
Southwestern Bell Telephone	Missouri	PSC	TO-89-56	Public Counsel	1989 1990	Intrastate Cost Accounting Manual
Missouri Public Service	Missouri	PSC	ER-90-101	Public Counsel/ Staff	1990	UtiliCorp United Corporate Structure/ Diversification
City Gas Company	Florida	PSC	891175-GU	Public Counsel	1990	Rate Base, Operating Income, Acquisition Adjustment
Capital City Water Company	Missouri	PSC	WR-90-118	Jefferson City	1991	Rehearing - Water Storage Contract
Southwestern Bell Telephone Company	Oklahoma	OCC	PUD-000662	Attorney General	1991	Rate Base, Operating Income
Public Service of New Mexico	New Mexico	PSC	2437	USEA	1992	Franchise Taxes
Citizens Utilities Company	Arizona	ACC	ER-1032-92-073	Staff	1992 1993	Rate Base, Operating Income
Missouri Public Service Company	Missouri	PSC	ER-93-37	Staff	1993	Accounting Authority Order
Public Service Company of Oklahoma	Oklahoma	OCC	PUD-1342	Staff	1993	Rate Base, Operating Income, Acquisition Adjustment
Hawaiian Electric Company	Hawaii	PUC	7700	Consumer Advocate	1993	Rate Base, Operating Income
US West Communications	Washington	WUTC	UT-930074, 0307	Public Counsel/ TRACER	1994	Sharing Plan Modifications
US West Communications	Arizona	ACC	E-1051-93-183	Staff	1994	Rate Base, Operating Income
PSI Energy, Inc.	Indiana	IURC	39584		1994	Consumer Counselor
Arkla, a Division of NORAM Energy	Oklahoma	OCC	PUD-940000354	Attorney General	1994	Rate Base, Operating Income

Utility	Jurisdiction	Agency	Docket/Case Number	Party Represented	Year	Areas Addressed
Kauai Electric Division of Citizens Utilities Company	Hawaii	PUC	94-0097	Consumer Advocate	1995	Hurricane Iniki Storm Damage Restoration
Oklahoma Natural Gas Company	Oklahoma	OCC	PUD-940000477	Attorney General	1995	Rate Base, Operating Income
US West Communications	Washington	WUTC	UT-950200	Attorney General/TRACER	1995	Rate Base, Operating Income
PSI Energy, Inc.	Indiana	IURC	40003	Consumer Counselor	1995	Rate Base, Operating Income
GTE Hawaiian Tel; Kauai Electric - Citizens Utilities Co.; Hawaiian Electric Co.; Hawaii Electric Light Co.; Maui Electric Company	Hawaii	PUC	95-0051	Consumer Advocate	1996	Self-Insured Property Damage Reserve
GTE Hawaiian Telephone Co., Inc.	Hawaii	PUC	94-0298	Consumer Advocate	1996	Rate Base, Operating Income
Oklahoma Gas and Electric Company	Oklahoma	OCC	PUD-960000116	Attorney General	1996	Rate Base, Operating Income
Public Service Company	Oklahoma	OCC	PUD-0000214	Attorney General	1997	Rate Base, Operating Income
Arizona Telephone Company (TDS)	Arizona	ACC	U-2063-97-329	Staff	1997	Rate Base, Operating Income, Affiliate Transactions
US West Communications	Utah	UPSC	97-049-08	Committee of Consumer Services	1997	Rate Base, Operating Income
Missouri Gas Energy	Missouri	PSC	GR-98-140	Public Counsel	1998	Revenues, Uncollectibles
Sierra Pacific Power Company	Nevada	PUCN	98-4062 98-4063	Utility Consumers Advocate	1999	Sharing Plan

Utility	Jurisdiction	Agency	Docket/Case Number	Party Represented	Year	Areas Addressed
Hawaii Electric Light Co., Power Purchase Agreement (Encogen)	Hawaii	PUC	98-0013	Consumer Advocate	1999	Keahole CT-4/CT-5 AFUDC, Avoided Cost
Kansas City Power & Light Company	Missouri	MoPSC	EC-99-553	GST Steel Company	1999	Complaint Investigation
US West Communications	New Mexico	NM PRC	3008	PRC Staff	2000	Rate Base, Operating Income
Hawaii Electric Light Company	Hawaii	PUC	99-0207	Consumer Advocate	2000	Keahole pre-PSD Common Facilities
US West/ Qwest Communications	Arizona	ACC	T-1051B-99-105	Staff	2000	Rate Base, Operating Income
The Gas Company	Hawaii	PUC	00-0309	Consumer Advocate	2001	Rate Base, Operating Income, Nonreg Svcs.
Craw-Kan Telephone Cooperative, Inc.	Kansas	KCC	01-CRKT-713-AUD	KCC Staff	2001	Rate Base, Operating Income
Home Telephone Company, Inc.	Kansas	KCC	02-HOMT-209-AUD	KCC Staff	2002	Rate Base, Operating Income
Wilson Telephone Company, Inc.	Kansas	KCC	02-WLST-210-AUD	KCC Staff	2002	Rate Base, Operating Income
SBC Pacific Bell	California	PUC	01-09-001 / 01-09-002	Office of Ratepayer Advocate	2002	New Regulatory Framework / Earnings Sharing Investigation
JBN Telephone Company	Kansas	KCC	02-JBNT-846-AUD	KCC Staff	2002	Rate Base, Operating Income
Kerman Telephone Company	California	PUC	02-01-004	Office of Ratepayer Advocate	2002	General Rate Case, Affiliate Lease, Nonregulated Transactions
S&A Telephone Company	Kansas	KCC	03-S&AT-160-AUD	KCC Staff	2003	Rate Base, Operating Income, Nonreg Alloc
PSI Energy, Inc.	Indiana	IURC	42359	Consumer Counselor	2003	Rate Base, Operating Income, Nonreg Alloc
Arizona Public Service Company	Arizona	ACC	E-10345A-03-0437	ACC Staff	2004	Rate Base, Operating Income

Utility	Jurisdiction	Agency	Docket/Case Number	Party Represented	Year	Areas Addressed
Qwest Corporation	Arizona	ACC	T-01051B-03-0454 & T-00000D-00-0672	ACC Staff	2004	Rate Base, Operating Income, Nonreg Alloc
Verizon Northwest Inc.	Washington	WUTC	UT-040788	Attorney General/ AARP/ WeBTEC	2004	Rate Base, Operating Income
Public Service Company	Oklahoma	OCC	PUD-200300076	Attorney General	2005	Operating Income
Hawaiian Electric Company	Hawaii	PUC	04-0113	Consumer Advocate	2005	Rate Base, Operating Income
Citizens Gas & Coke Utility	Indiana	IURC	42767	Consumer Counselor	2005	Operating Income, Benchmarking Study
AmerenUE d/b/a Union Electric Co.	Missouri	MoPSC	ER-2007-0002	State of Missouri	2006	Revenue Requirement
Hawaii Electric Light Company	Hawaii	PUC	05-0315	Consumer Advocate	2007	Rate Base, Operating Income & Keahole Units
Hawaiian Electric Company	Hawaii	PUC	2006-0386	Consumer Advocate	2007	Rate Base, Operating Income
Maui Electric Company	Hawaii	PUC	2006-0387	Consumer Advocate	2007	Rate Base, Operating Income
Trigen-Kansas City Energy Corp.	Missouri	MoPSC	HR-2008-0300	Trigen-KC	2008	Overall Revenue Requirement
Southwestern Public Service	Texas	PUCT	35763	Alliance of Xcel Muni.	2008	Rate Base, Operating Income
The Gas Company, LLC	Hawaii	PUC	2008-0081	Consumer Advocate	2009	Rate Base, Operating Income, Nonutility
Hawaiian Electric Company	Hawaii	PUC	2008-0083	Consumer Advocate	2009	Rate Base, Operating Income

JOSEPH A. HERZ

Mr. Herz has over 30 years of experience in the areas of public utility planning, financing, operations and management for electric, natural gas, steam, water and wastewater utilities.

He is a registered Professional Engineer. His professional experience includes planning and analytical studies related to electric power supply, transmission arrangements, feasibility studies, economic analyses and rate studies and contract negotiations. He has conducted detailed cost-of-service, rate, financial, power supply and transmission studies involving various investor, municipal and cooperative-owned systems.

Mr. Herz has testified on numerous occasions as an expert witness concerning regulatory matters. He has participated in more than 100 regulatory proceedings and has testified before 14 state regulatory commissions and the FERC on electric, gas, steam and water utility services.

He is experienced in long-range planning for acquisition and/or expansion of utility systems, engineering, financial and economic feasibility investigations and analyses. Power supply experience includes evaluating the technical and financial feasibility of transmission and power supply resources and related arrangements; power pooling, including integration of transmission and generating facilities; and, preparation and negotiation of related power supply and transmission contracts. Mr. Herz has served as an independent arbitrator on power supply contract disputes.

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University of Nebraska
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Professional Organizations

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American Public Power Association
American Water Works Association
The Institute of Electrical and Electronics Engineers, Inc.
National Society of Professional Engineers
Ohio Society of Professional Engineers

PROJECTS INVOLVING REGULATORY FILINGS
Joseph A. Herz, P.E.

Utility Federal Energy Regulatory Commission	Docket No.	Issues and/or Scope	Client	Year
Westar Energy, Inc.	EL08-31-000	Incentive Rate Treatment for High Voltage Transmission Projects	Kansas Municipal Utilities	2008
Westar Energy, Inc.	ER05-925-000	Open Access Transmission Tariff rate revisions for transmission and ancillary services	Kansas Municipal Utilities. Kansas Power Pool, Unified Government of Wyandotte County/Kansas City, Kansas, Board of Public Utilities and Kansas Municipal Energy Agency	2005
Westar Energy, Inc. Kansas Gas and Electric Company	ER03-9-002, -003, -004, -005 ER98-2157-002, -003, -004 EL05-64-000	Westar Energy and KGE market power mitigation proposal	Kansas Municipal Utilities and Unified Government of Wyandotte County/Kansas City, Kansas, Board of Public Utilities	2005
Kansas City Power & Light Company and Great Plains Power, Inc.	ER99-1005-000 ER02-725-000 EL05-3-000	Ability of KCP&L to exercise market power	Unified Government of Wyandotte County/Kansas City, Kansas, Board of Public Utilities	2005
Dayton Power & Light Company	EL00-24-000	Contract dispute and interpretation of certain pricing provisions	Arcanum, Eldorado, Jackson Center, Lakeview, Mendon, Minster, New Bremen, Tipp City, Waynesfield and Yellow Springs, Ohio	2000
Western Resources and Kansas City Power & Light	EC97-56-000	Western Resources Merger Intervention and other related relief	Kansas City, Kansas Board of Public Utilities	1999
Western Resources and Kansas City Power & Light	ER97-4669-000	Western Resources Merger Intervention and other related relief	Kansas City, Kansas Board of Public Utilities	1999

PROJECTS INVOLVING REGULATORY FILINGS
Joseph A. Herz, P.E.

Utility	Docket No.	Issues and/or Scope	Client	Year
FirstEnergy Operating Companies	EC97-5-000	IEU/FirstEnergy Merger Intervention and other related relief	Industrial Energy Users of Ohio	1997
FirstEnergy Operating Companies	EC97-413-000	IEU/FirstEnergy Merger Intervention and other related relief	Industrial Energy Users of Ohio	1997
Public Utility District No. 2 of Grant County Washington	EL95-35-000	Determine appropriate allocation of power from Priest Rapids Project	Kootenai Electric Cooperative, Inc., Clearwater Power Company, Idaho County Light & Power Cooperative Association, Inc., and Northern Lights, Inc.	1995
PacifiCorp	ER96-8-000	Transmission, cost of service and rate design	Utah Municipal Power Agency Deseret Generation and Transmission Cooperative, Inc.	1995
Dayton Power & Light Company	ER95-83-000	Transmission power services and rates	Arcanum, Eldorado, Jackson Center, Lakeview, Mendon, Minster, New Bremen, Tipp City, Waynesfield and Yellow Springs, Ohio	1995
Dayton Power & Light Company	94-1469-000	Transmission/interconnection/power services and rates	City of Piqua, Ohio	1994
Cincinnati Gas & Electric Company	ER94-1637-000	Transmission service and rates	City of Hamilton, Ohio	1994
Public Service Company of New Mexico	EL-94-6-000	Fuel inventory practices and expense accounting	Plains Electric Generation and Transmission Cooperative	1994
CINergy (merger of Cincinnati Gas & Electric Company and PSI Energy, Inc.)	ER93-6-000	Transmission issues, cost of service and rate design	City of Hamilton, Ohio	1993

PROJECTS INVOLVING REGULATORY FILINGS
Joseph A. Herz, P.E.

Utility	Docket No.	Issues and/or Scope	Client	Year
American Electric Power Company	ER93-540-000	Transmission issues, cost of service and rate design	City of Hamilton, Ohio	1993
Ohio Power Company and Kentucky Power Company	ER93-295-001	Transmission loss factors	City of Hamilton, Ohio	1993
PacifiCorp Electric Operations	ER93-675-0000	Transmission issues, cost of service and rate design	Utah Municipal Power Agency	1993
PacifiCorp Electric Operations	ER91-494-0000	Transmission issues, cost of service and rate design	Utah Municipal Power Agency	1991
PacifiCorp Electric Operations	ER91-471-0000	Transmission issues, cost of service and rate design	Utah Municipal Power Agency	1991
Ohio Power Company	EL91-1-000 and EL90-42-000	Interconnected utility operations and scheduling matters	City of Hamilton, Ohio	1990
Arizona Public Service Company	ER89-265-000	Transmission issues, cost of service and rate design	Plains Electric Generation and Transmission Cooperative	1989
Cincinnati Gas & Electric Company	ER89-17-000 and ER89-19-000	Transmission service, schedule restrictions and billing for transmission service	City of Hamilton, Ohio	1989
Utah Power and Light Company	EL85-12	PURPA wheeling under Sections 210, 211 and 212 of the Federal Power Act	Utah Municipal Power Agency and City of Manti, Utah	1985
Utah Power and Light Company	ER84-571/572	Transmission issues, cost of service and rate design	Utah Municipal Power Agency and the Cities of Manti and Provo, Utah	1985
Northern Indiana Public Service Company	ER83-396-000	Transmission issues, price squeeze, cost of service and rate design	Argos, Bremen, Brookston, Chalmers, Etna Green, Kingsford Heights, Walkerton and Winamac, Indiana	1983

PROJECTS INVOLVING REGULATORY FILINGS
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Utility	Docket No.	Issues and/or Scope	Client	Year
Utah Power and Light Company	ER83-427-000	Transmission issues, revenue requirement, cost of service and rate design	Manti, Utah	1983
Ohio Power Company	ER82-553-000	Engineering issues, cost of service and rate design	Ohio Power Municipals	1982
Arizona Public Service Company	ER82-481-000	Transmission issues, cost of service and rate design	Plains Electric Generation and Transmission Cooperative	1982
Arizona Public Service Company	ER81-179-000	Wholesale and transmission issues, cost of service and rate design	Plains Electric Generation and Transmission Cooperative	1981
Public Service Company of New Mexico	ER80-313	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1981
Public Service Company of New Mexico	ER79-478/479	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1981
Public Service Company of New Mexico	ER78-337/338	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1980
Northern Indiana Public Service Company	ER78-509	Price squeeze and rate design	Argos, Bremen, Brookston, Chalmers, Etna Green, Kingsford Heights, Walkerton and Winamac, Indiana	1979
Federal Power Commission:				
Ohio Edison Company	E-9497	Engineering issues, cost of service	The Wholesale Consumers of Ohio Edison Company	1976

PROJECTS INVOLVING REGULATORY FILINGS
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Utility	Docket No.	Issues and/or Scope	Client	Year
Colorado Public Utilities Commission:				
Public Service Company of Colorado	1425 Phase II	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1981
Florida Public Service Commission:				
Florida Power Corporation	80119-EU	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1980
Gulf Power	010949-EI	Engineering and cost of service issues that have an actual or potential impact on the FEA	The Executive Agencies of the United States	2001
Hawaii Public Utilities Commission:				
Hawaiian Electric Company, Inc. Maui Electric Company, Ltd	2008-0021	UPC Hawaii Holding, LLC (UPC Hawaii) and Kaheawa Wind Power II, LLC (KWPII) Complaint and Petition against HECO and MECO (Wind Complaint)	Division of Consumer Advocacy State of Hawaii	2008
Maui Electric Company, Ltd	2006-0387	MECO 2007 Rate case	Division of Consumer Advocacy, State of Hawaii	2007
Hawaiian Electric Company, Inc.	2006-0386	HECO 2007 Rate Case	Division of Consumer Advocacy, State of Hawaii	2007
Hawaiian Electric Light Company, Inc.	05-0315	HELCO 2005 – 2006 Rate Case	Division of Consumer Advocacy, State of Hawaii	2007
Hawaiian Electric Company, Inc.	05-0145	HECO CIP Project Application	Division of Consumer Advocacy, State of Hawaii	2006

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Utility	Docket No.	Issues and/or Scope	Client	Year
Hawaiian Electric Company, Inc.	7310	HECO Utilities Avoided Cost Investigation	Division of Consumer Advocacy, State of Hawaii	2005
Hawaiian Electric Company, Inc.	04-0113	Evaluation of application for an increase in rates using a 2005 test year, cost of service and rate design issues	Division of Consumer Advocacy, State of Hawaii	2004
Commission Initiated Generic Investigation	03-0371	Commission initiated generic investigation of distributed generation in Hawaii	Division of Consumer Advocacy, State of Hawaii	2004
Kauai Electric Division	01-0005	Avoided energy costs associated with an Energy Purchase Agreement with Kauai Winds Inc. and inclusion in ERAC	Division of Consumer Advocacy, State of Hawaii	2001
Hawaii Electric Light Company, Inc.	99-0355	Transmission system improvements with IPP purchase power addition	Division of Consumer Advocacy, State of Hawaii	2000
Hawaii Electric Light Company, Inc.	99-0207	Generation and purchase power, operation and maintenance expenses, system losses and engineering issues	Division of Consumer Advocacy, State of Hawaii	2000
Hawaii Electric Light Company, Inc.	99-0346	Need for capacity additions/review of IPP Purchase Power Agreement	Division of Consumer Advocacy, State of Hawaii	1999
Hawaii Electric Light Company, Inc.	98-0013	Need for capacity resource additions, IPP purchase power agreement	Division of Consumer Advocacy, State of Hawaii	1999

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Utility	Docket No.	Issues and/or Scope	Client	Year
Hawaii Electric Light Company, Inc	97-0420	Generation and purchase power, operation and maintenance expenses, system losses and engineering issues	Division of Consumer Advocacy, State of Hawaii	1999
Hawaii Electric Light Company, Inc	97-0349	Integrated resource planning	Division of Consumer Advocacy, State of Hawaii	1999
Kauai Electric Division	KE94-0097	Engineering issues, generation and purchase power, operation and maintenance expenses, system losses and cost of service and rate design	Division of Consumer Advocacy, State of Hawaii	1994
Hawaiian Electric Company, Inc.	7766	Engineering issues, generation and purchase power, operation and maintenance expenses, system losses and cost of service and rate design	Division of Consumer Advocacy, State of Hawaii	1994
Hawaii Electric Light Company, Inc.	7623	Need for capacity resource additions and purchase power contracts	Division of Consumer Advocacy, State of Hawaii	1994
Hawaii Electric Light Company, Inc.	7764	Engineering issues, generation and purchase power, operation and maintenance expenses and system losses	Division of Consumer Advocacy, State of Hawaii	1994
Indiana Public Service Commission				
Wayne County Rural Electric Membership Cooperative	39048	Engineering issues, cost of service and rate design	Wayne County Rural Electric Membership Cooperative	1990

PROJECTS INVOLVING REGULATORY FILINGS
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Utility	Docket No.	Issues and/or Scope	Client	Year
New Carlisle, Indiana	Unknown	Engineering issues, revenue requirements, cost of service and rate design	New Carlisle, Indiana	1975
Kansas Corporation Commission:				
Southwest Power Pool, Inc.	06-SPP-202-COC	Application for the limited purpose of managing and coordinating the use of certain transmission facilities located within the State of Kansas	Kansas Municipal Utilities, Inc. Kansas Municipal Electric Agency Kansas Corporation Commission Kansas Public Power	2006
Westar Energy, Inc. Kansas Gas and Electric Company The Empire District Electric Company Kansas City Power & Light Company Aquila, Inc. D/B/A Aquila Networks-WPK Midwest Energy, Inc. Southwestern Public Service Company	06-WSEE-203-MIS	Joint Application for authority to transfer functional control of certain transmission facilities to the Southwest Power Pool, Inc.	Kansas Municipal Utilities, Inc. Kansas Municipal Electric Agency Kansas Corporation Commission Kansas Public Power	2006
Western Resources and Kansas City Power & Light	97-WSRE-676-MER	Western Resources Merger Intervention and other related relief	Kansas City, Kansas Board of Public Utilities	1999
Kansas Gas and Electric Company	142-098-U	Engineering issues, cost of service and rate design	McConnell Air Force Base	1985

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Utility	Docket No.	Issues and/or Scope	Client	Year
Michigan Public Service Commission:				
Detroit Thermal	Case No. U-13691	Implement initial default tariff rates for steam service	Detroit Thermal	2004
Michigan Consolidated Gas Company	Case No. U-7895	Engineering issues, cost of service and rate design	Traverse City Light and Power Board	1984
Indiana and Michigan Electric Company	Case No. U-7791	Engineering issues, cost of service and rate design	Auto Specialties, Southern Michigan Cold Storage, Waterville Paper Company, and Whirlpool Corporation	1984
Detroit Edison Company	Case No. U-7232	Interconnection agreements and power sales contract	Michigan Attorney General	1983
Consumers Power Company	Case No. U-6923	Cost of service, rate design and price elasticity	Clark Equipment Company	1982
Indiana and Michigan Electric Company	Case No. U-6927	Engineering issues, cost of service and rate design	Auto Specialties, Clark Equipment Company, and Whirlpool Corporation	1981
Upper Peninsula Power Company	Case No. U-6785	Engineering issues, cost of service and rate design	Michigan Technological University	1981
Upper Peninsula Power Company	Case No. U-6485	Engineering issues, cost of service and rate design	Michigan Technological University	1980
Indiana and Michigan Electric Company	Case No. U-6148	Engineering issues, cost of service and rate design	Auto Specialties, Clark Equipment Company, and Whirlpool Corporation	1980

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Utility	Docket No.	Issues and/or Scope	Client	Year
Missouri Public Service Commission:				
Kansas City Power and Light Company	EE-2008-0238	KCP&L Waiver Filing	Trigen-Kansas City Energy Corp.	2008
Kansas City Power and Light Company	ER-2007-0291	Rate Design and Discounted Rates for Space-heating	Trigen-Kansas City Energy Corp.	2007
Kansas City Power and Light Company	ER-2006-0314	Rate Design and special rates for space heating.	Trigen-Kansas City Energy Corp.	2006
Kansas City Power and Light Company	Case No. ER83-49	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1983
Kansas City Power and Light Company	Case No. EO-78-161	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1980
Montana Public Service Commission:				
Malmstrom Air Force Base	D2001.10.144	Rate design for customers receiving default power supply and transmission services, and limitations on the ability of qualified customers to return to the default supply services	The Executive Agencies of the United States	2001
New Mexico Service Commission:				
Public Service Company Of New Mexico	Case No. 03-00352-UT	Appropriateness of underground projects Rate Rider	Rio Rancho, New Mexico	2004
Otero Electric Cooperative	Case No. 2048	Demand metering and rate design	Otero Electric Cooperative	1987

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Utility	Docket No.	Issues and/or Scope	Client	Year
Gas Company of New Mexico	Case No. 1875	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1984
Gas Company of New Mexico	Case No. 1787	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1983
Gas Company of New Mexico	Case No. 1710	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1982
Gas Company of New Mexico	Case No. 1568	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1982
Ohio Public Utilities Commission:				
FirstEnergy Operating Companies	Case No. 98-1636-EL-UNC	Transmission system reliability - sale and transfer of generating assets	Industrial Energy Users of Ohio	1999
Ohio Edison Company	Case No. 93-1048-EL-CSS	Cost of service and predatory pricing	Youngstown Thermal, Limited Partnership	1994
Cincinnati Gas & Electric Company	Case No. 87-593-GA-CSS	Metering and billing dispute	Sheraton/Springdale Hotel	1987
Dayton Power and Light Company	Case No. 82-517-EL-AIR	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1983
Dayton Power and Light Company	Case No. 81-1256-EL-AIR	Revenue requirements, cost of service and rate design	The Executive Agencies of the United States	1982
Dayton Power and Light Company	Case No. 81-1237-EL-CSS	Billing procedures and practices	The Dayton Tire and Rubber Company	1982
Toledo Edison Company	Case No. 81-620-EL-AIR	Determination of billing units and rate design	Seaway Food Town, Inc.	1982

PROJECTS INVOLVING REGULATORY FILINGS
Joseph A. Herz, P.E.

Utility	Docket No.	Issues and/or Scope	Client	Year
Ohio American Water Company	Case Nos. 81-385-WW-AIR and 81-739-WW-CMR	Engineering issues, cost of service and rate design	City of Tiffin, Ohio	1982
Dayton Power and Light Company	Case No. 81-21-EL-AIR	Engineering issues, revenue requirements, cost of service and rate design	The Executive Agencies of the United States	1981
Dayton Power and Light Company	Case No. 80-687-EL-AIR	Engineering issues, revenue requirements, cost of service and rate design	The Executive Agencies of the United States	1981
Ohio American Water Company	Case No. 79-3143-WW-AIR	Engineering issues, revenue requirements, cost of service and rate design	Cities of Marion and Tiffin, Ohio	1980
Dayton Power and Light Company	Case No. 79-510-EL-AIR	Engineering issues, revenue requirements, cost of service and rate design	The Executive Agencies of the United States	1980
Cincinnati Gas & Electric Company	Case No. 79-11-EL-AIR	Cost of service and rate design	The Ohio Council of Retail Merchants	1979
Columbus and Southern Ohio Electric Company	Case No. 78-1438-EL-AIR	Cost of service and rate design	The Ohio Council of Retail Merchants	1979
Seneca Utilities, Inc.	Case No. 78-287-WW-AIR	Engineering issues, revenue requirements, cost of service and rate design	Lake Seneca Property Owners Association	1979
Dayton Power and Light Company	Case No. 78-92-EL-AIR	Engineering issues, revenue requirements, cost of service and rate design	The Executive Agencies of the United States	1979

PROJECTS INVOLVING REGULATORY FILINGS
Joseph A. Herz, P.E.

Utility	Docket No.	Issues and/or Scope	Client	Year
Texas Public Utility Commission:				
Houston Lighting & Power Company	5779	Engineering issues, cost of service and rate design	The Executive Agencies of the United States	1984
Utah Public Service Commission:				
Hill Air Force Base	01-035-01	Revenue requirements, cost of service, rate design	The Executive Agencies of the United States	2001
Hill Air Force Base	01-035-23	Revenue requirements, cost of service, rate design	The Executive Agencies of the United States	2001
Hill Air Force Base	01-035-35	Revenue requirements, cost of service, rate design	The Executive Agencies of the United States	2001
Hill Air Force Base	01-035-36	Evaluate power cost adjustment mechanism to determine if it is non-discriminatory, accurately reflects the actual cost of providing the service, and is necessary under the circumstances	The Executive Agencies of the United States	2001
Hill Air Force Base	00-035-15	Revenue requirements, cost of service, rate design	The Executive Agencies of the United States	2001
Wisconsin Public Service Commission:				
Barron Electric Cooperative	Case No. 380-EI-1	Transmission wheeling charges	Barron Electric Cooperative	1982

PROJECTS INVOLVING REGULATORY FILINGS
Joseph A. Herz, P.E.

Utility Wyoming Public Service Commission:	Docket No.	Issues and/or Scope	Client	Year
PacifiCorp	20000-ER-95-99	Revenue requirements, cost of service, rate design and jurisdictional allocations	Marathon Oil Company	1996

SERVICE LIST (Docket No. 2008-0274)

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